

**CALIFORNIA TRAFFIC CONTROL DEVICES COMMITTEE
2000 ANNUAL REPORT**

This report is prepared in compliance with Article V of the Bylaws of the California Traffic Control Devices Committee.

2000 VOTING MEMBERS

Mr. Ray Mellen ACSC	Chairman, Auto Club of Southern California, 3333 Fairview Road, A131 Costa Mesa, CA 92626Chairman
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Mr. Jim Larsen CSAC	Vice Chairman, Associate Director Tulare County Resource Mgmt. Agency 908 S. Giddings Street Visalia, CA 93277
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Ms. Merry Banks CSAA	Manager, Traffic Safety department California State Automobile Association, 150 Van Ness Avenue San Francisco, CA 94102-1860
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Mr. John Fisher LOCC	Assistant General manager City of Los Angeles DOT 200 N. Figueroa Street, Room 500 Los Angeles, CA 90012
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Mr. Dick Folkers LOCC	Public works Director City of palm Desert 73-510 Fred Waring Dr. Palm Desert, CA 92260
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Mr. Gerry Meis CALTRANS	California Department of Transportation, 1120 N Street Sacramento, CA 95814
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Mr. Farhad Mansourian CSAC	Chief Asst. Director Marin County, Department of Public Works, P.O. Box 4186 San Rafael, CA 94913
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Capt. Karen Douglas CHP	California Highway Patrol, 2555 First Avenue Sacramento, CA 95818
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Mr. Wayne Tanda LOCC	Director of Streets and Traffic, City of San Jose
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4 North Second Street, Suite 1000
San Jose, CA 95113

Mr. John Presleigh
CSAC

Assistant Director Transportation Division
Santa Cruz County DPW
701 Ocean street, Room 410
Santa Cruz, Ca 95060

Mr. Dwight Ku
CSAA

California State Automobile Association,
980 Ninth Street, Suite 1520
Sacramento, CA 95814

Mr. Bill Peters
CHP

California Highway Patrol
2555 First Avenue
Sacramento, CA 95818

The following alternate members were designated by the parent organizations to act in the absence of their appointed delegates:

2000 ALTERNATE MEMBERS

Mr. Richard Backus ACSC	Auto Club of Southern California, 3333 Fairview Road, A131 Costa Mesa, CA 92626
Mr. John Squier CSAC	Assistant Deputy Director Los Angeles County DPW 900 S. Fremont Avenue Alhambra, CA 91803
Mr. Dwight Ku CSAA	California State Automobile Association, 980 Ninth Street, Suite 1520 Sacramento, CA 95814
Mr. John Fisher LOCC	Assistant General manager City of Los Angeles DOT 200 N. Figueroa Street, Room 500 Los Angeles, CA 90012
Mr. Mark Greenwood LOCC	Senior Transportation Engineer City of palm Desert 73-510 Fred Waring Dr. Palm Desert, CA 92260
Mr. John Presleigh CSAC	Assistant Director Transportation Division Santa Cruz County DPW 701 Ocean street, Room 410 Santa Cruz, Ca 95060
Mr. Devinder Singh CALTRANS	California Department of Transportation, 1120 N Street Sacramento, CA 95814
Lt. Mark Rasmuseen CHP	California Highway Patrol, 2555 First Avenue Sacramento, CA 95818
Mr. Ed Von Borstel LOCC	Deputy Director Public Works & Transportation City of Modesto 1010 Tenth Street Modesto, CA 95353

SECRETARY

Mr. Devinder Singh

California Department of Transportation
CALTRANS 1120 N Street
Sacramento, CA 95814

2000 MEETINGS

March 15, 2000	3347 Michelson Drive Caltrans, District 12	Irvine
August 17, 2000	District Auditorium Caltrans, Headquarters	Sacramento
November 9, 2000	City Council Chamber City of palm Desert	Palm Desert

2000 CTCDC AGENDA ITEMS

<u>Agenda Item No.</u>	<u>Title</u>
99-1	GAPS FOR PEDESTRIAN CROSSINGS
99-9	LED ENHANCED PAVEMENT MARKERS
00-1	BICYCLE PAVEMENT MARKING
00-2	FLASH RED FOR RADAR SPEED TRAILERS
00-3	JAKE BRAKE WARNING SIGN
00-4	USE OF RAISED PAVEMENT MARKERS FOR TRANSVERSE PLACEMENT
00-5	USE OF LED PAVEMENT MARKERS AS A LEF TURN GUIDANCE DEVICE
00-6	PEDESTRIAN COUNTDOWN SIGNAL HEADS
00-7	MODIFICATION TO WINDING ROAD (W14) SIGN
00-8	PEDESTRIAN COUNTDOWN SIGNAL HEADS
00-9	PEDESTRIAN COUNTDOWN SIGNAL HEADS

INFORMATION ITEMS:

93-18	CROSSWALKS SEQUENTIAL LIGHTING
94-10	PEDESTRIAN COUNTDOWN SIGNAL HEADS
99-11	MUTCD ADOPTION BY CALTRANS
99-16	CRENSHAW SAFETY BARRIERS
00-A	SIGNING FOR HANDICAP FUEL SERVICING
00-B	SIGNING FOR JUAN BAUTISTA DE ANZA TRAIL
00-C	CALIFORNIA WELCOME CENTER SIGNING
00-D	IMPLEMENTATION OF NCHRP 350 FOR CATEGORY 1 & 2 DEVICES
00-E	VERTICAL CLEARANCE SIGN POLICY

DISCUSSION ITEMS:

PROPOSAL TO EXPAND THE COMMITTEE

UNAPPROVED CROSSWALKS EXPERIMENT DEVICES

COMMITTEE ACCOMPLISHMENTS

- Item 99-1 The Committee determined that the Traffic Manual adequately addresses the issue related to “Gaps for Pedestrian Crossings”, which was brought to the committee’s attention by Mr. Norman Suker. The committee also determined that the Traffic Manual is in substantial compliance with the MUTCD and no changes are required to the Traffic Manual as recommended by Mr. Norman Suker.
- Item 99-9 The Committee recommended that if “internally illuminated raised pavement markers” (IIRPMs) are used in similar application as retroreflective markers, then they are not new traffic control devices. The durability of IIRPMs has not been tested by Caltrans.
- Item 00-1 The committee approved an experiment requested by the City of San Francisco to test “bicycle pavement markings”.
- Item 00-2 The Committee recommended not to use “flashing red” for radar speed trailers.
- Item 00-3 The Committee approved experimentation on “Jake Brake” sign requested by the City of Auburn. The goal of the experiment is to see if the sign has any positive impact on truckers to reduce the noise caused by use of the Jake Brake.
- Item 00-5 The Committee agreed that the City of Stockton can proceed without experimentation if the IIRPMs are placed and operated in a manner, which is consistent with Section 6-02.5 of the Caltrans Traffic Manual. This means the IIRPMs must be the same color as the line they are extending (i.e., in this case - white). Also, the IIRPMs must be a steady-burn (white) and activated only when the related green signal phase is activated. At all other times the IIRPMs must remain inactive or unlighted. Additionally, the RPMs shall not contain any retroreflective surface. For daytime delineation the housing of the IIRPMs should be the same color as the line they are extending. If the RPM housings are not the same color as the line they extend, then additional marking should be provided for daytime guidance. When used in this manner, the IIRPMs are not a new traffic control device. They are simply another method of providing lane-line guidance.

The committee also approved the request for experimentation if the City of Stockton chooses a different mode of operation, like sequential IIRPMs, and then experimentation is required.

- Item 00-6 The Committee approved an experiment requested on “pedestrian countdown signal heads” for the City of San Francisco.
- Item 00-8 The Committee approved an experiment requested by the City of San Jose to test “pedestrian countdown signal heads.”
- Item 00-9 The Committee approved an experiment to test “pedestrian countdown signal heads” for the City of Stockton.

SUMMARY OF ACCOMPLISHMENTS 2000

1	items carried over from 1993
1	item carried over from 1994
2	item carried over from 1999
22	items considered in 2000
14	items introduced in 2000
2	item not considered in 2000
16	items completed in 2000

ITEMS CARRIED INTO FUTURE YEARS

Item 94-10	PEDESTRIAN SIGNAL HEAD
Item 99-11	MUTCD ADOPTION BY CALTRANS
Item 00-4	USE OF RAISED PAVEMENT MARKERS FOR TRANSVERSE PLACEMENT
Item 00-7	MODIFICATION TO WINDING ROAD (W14) SIGN

ITEMS UNDER EXPERIMENTATION

Item 94-10	PEDESTRIAN COUNTDOWN SIGNAL HEAD (Experiment Agency-County of Sacramento)
Item 99-10	TACTILE PEDESTRIAN INDICATORS (Experiment Agency-City of Los Angeles)
Item 99-12	SPEED STRIPING FOR SMART CROSSWALKS (Experiment Agency-Caltrans D7)
Item 99-13	ILLUMINATED PAVEMENT MARKERS ON MEDIAN BARRIERS (Experiment Agency-Caltrans D7)
Item 99-18	GROUND MOUNTED LED LIGHTS ON STOP BARS (Experiment Agency-City of Anaheim)
Item 00-1	BICYCLE PAVEMENT MARKING (Experiment Agency-City of San Francisco)
Item 00-3	JAKE BRAKE SIGN (Experiment Agency-City of Auburn)
Item 00-5	USE OF LED PAVEMENT MARKERS AS A LEFT TURN GUIDANCE DEVICE (Experiment agency-City of Stockton and Caltrans D10)

Item 00-6 PEDESTRIAN COUNTDOWN SIGNAL HEADS
(Experiment Agency-City of San Francisco)

Item 00-8 PEDESTRIAN COUNTDOWN SIGNAL HEAD
(Experiment Agency-City of San Jose)

Item 00-9 PEDESTRIAN COUNTDOWN SIGNAL HEAD
(Experiment Agency-City of Stockton)

STATUS OF CALTRANS ACTION ON PAST ITEMS

Item 90-7 BICYCLE SIGNAL HEADS (BSH)
Caltrans is developing a standard plan for these. The Traffic Manual will be changed to reflect the BSH warrants.

Item 93-18 CROSSWALKS, SEQUENTIAL LIGHTING (In-Roadway Warning Lights (IRWL) at Crosswalks)
The Millennium Edition of the MUTCD 2000 has added text on IRWL at crosswalks. Caltrans will incorporate similar language to the Traffic Manual under Section 6-02.12, Crosswalks and Crosswalk Lines.

Item 96-3 ILLUMINATED LEFT TURN YIELD SIGN
Caltrans expects to have the Traffic Manual amended by February 15, 2001 to allow local agencies to use an "Illuminated Left Turn Yield" sign on local roads.

Item 96-7 SPEED LIMIT SIGNING
Caltrans expects to have the Traffic Manual amended by February 15, 2001 to incorporate the 65-mph speed limit signing practices.

Item 99-3 AUDIBLE PEDESTRIAN SIGNAL POLICY
Caltrans would review the language used in the Millennium Edition of MUTCD 2000 and work with the impaired community before making any changes to the Traffic Manual on the policy of Audible Pedestrian Signals.

MISCELLANEOUS

Mr. Dick Folkers, City of Palm Desert, resigned from the committee and is replaced by Mr. John Fisher of the City of Los Angeles. Mr. Mark Greenwood, City of Palm Desert, is the alternate representative for Southern California, League of California Cities. Capt. Stan Perez has been replaced by Capt. Karen Douglas to represent the California Highway Patrol and Lt. Mark Rasmussen will be the alternate member from CHP.

CTCDC Agenda, Minutes, Annual Reports, and other information is available on the Internet at " <http://www.dot.ca.gov/hq/traffops/signtech/newtech/>" under the Office of Signs and Delineation web page.

Additional information regarding the minutes of the CTCDC meetings held during 2000 may be obtained upon request from the Executive Secretary or any member of the California Traffic Control Devices Committee.

Respectfully submitted by Devinder Singh, Executive Secretary, CTCDC

SIGN SPECIFICATIONS

All additions, revisions and deletions of approved sign specifications made by Caltrans during 1999, will be distributed under separate cover.

As provided in California Vehicle Code Sections 21400 and 21401, a list of new and revised specification sheet for signs use on streets and highways in California is available from the Caltrans Publications Unit, 1900 Royal Oaks Drive, Sacramento, CA 95815, phone (916) 445-3520.